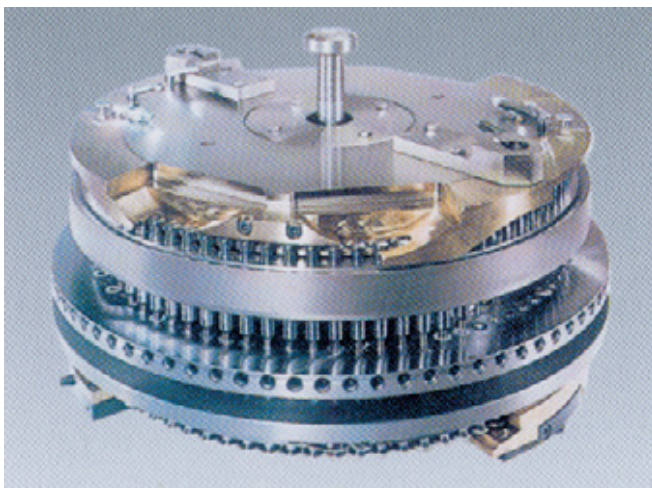


An automatic measurement system ensures the production quality of tablets

High performance tablet presses are fitted with quickly interchangeable matrix disk units in order to minimize cleaning and setting up times when employing press tools. In automated production a high level of precision is required to ensure the quality of each individual tablet. In production up to 47 stamp pairs pass through the press station in a circular arrangement and, due to their high production rate, are subject to a certain amount of wear. Here, an automatic system for the stamp measurement can ensure the optimum press quality. To achieve this, new or already used stamps are permanently arranged in a stanchion. A sensor system moves via a stepper motor and acquires the contour data of each stamp for classification. The stamps within a class can therefore be simply put together for a new matrix disk unit.

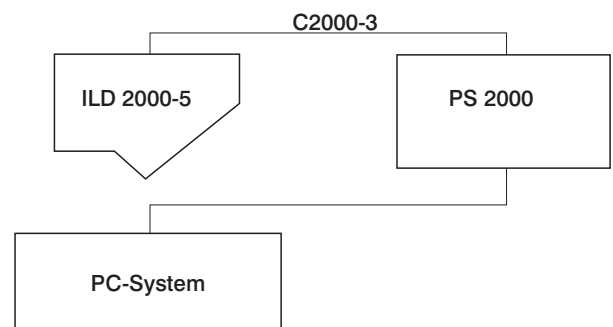


Technical details

- Measuring range: 5 mm
- Accuracy: 20 μm
- Resolution: 1 μm
- Bandwidth: processing speed 2 mm/sec

Ambient conditions

- Temperature: constant (Vorschrift)
- Medium: air
- Interference fields: none



Application

System setup for

1 x ILD 2000-5

1 x C2000-3

1 x Ps2000

PC system

Software

Reasons for the system selection

- Non-contacting measurement and therefore wear-free.
- High measuring accuracy even with shiny surfaces.
- Small measuring spot diameter, large base distance.
- Easy sensor fitting and operation.

